

Date: Friday, 9/15/2006 11:53:40 AM  
User: Kim Johnston

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : INSIDE WASHER  
Job Number : 28610  
Estimate Number : 11152  
P.O. Number : N/A Part Number : D32331  
This Issue : 9/15/2006 S.O. No. : N/A Drawing Number : D3233 REV B  
Prsht Rev. : NC Project Number : N/A  
First Issue : N/A Type : MACHINED PARTS Drawing Revision : B  
Previous Run : N/A Material : N/A  
Written By : Due Date : 9/30/2006 Qty: 20 Um: Each  
Checked & Approved By : KJ 06 09 15  
Comment : Est. B 05.03.31 Added Powder Coat KJ/JLM

## Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 M1020TR2000W500 1020-1025 Round Tube



Comment: Qty.: 0.0656 f(s)/Unit Total : 1.3125 f(s)

1020-1025 Round Tube

Material: AISI 1020-1025 Seamless Tubing 2" x 0.500" wall

(M1020TR2.000W.500)

Identify for D3233-1

Batch: M17015 14.5" MS 06/09/22 20

2.0 HARDINGE HARDINGE CNC LATHE SMALL



Comment: HARDINGE CNC LATHE SMALL

Turn as per Folio FA517 and Dwg D3233

Deburr MS 06/09/22 20

3.0 QC2 INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE MS 06/09/22 20

4.0 QC8 SECOND CHECK



Comment: SECOND CHECK EP 06/09/22 x 20

5.0 POWDER COATING POWDER COATING



Comment: POWDER COATING

Powder Coat Fire Red (Ref: 4.3.5.10) as per QSI 005 4.3 G.M 06/11/06 20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: ☒ ☐ Date: 06/11/07

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Friday, 9/15/2006 11:53:40 AM  
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## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: INSIDE WASHER

Job Number: 28610

Part Number: D32331

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

*PC 6/11/07*

*(20)*

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: \_\_\_\_\_

*57417*

*PC 6/11/07*

*20*

8.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

*PC 6/11/07*  
*(20)*

Job Completion



*ie do 11.07*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

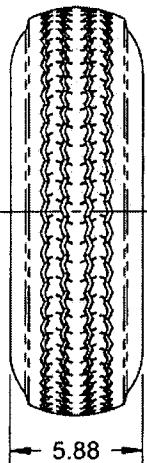
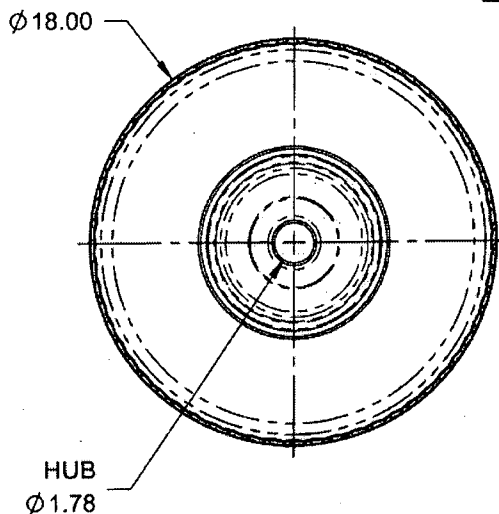
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries





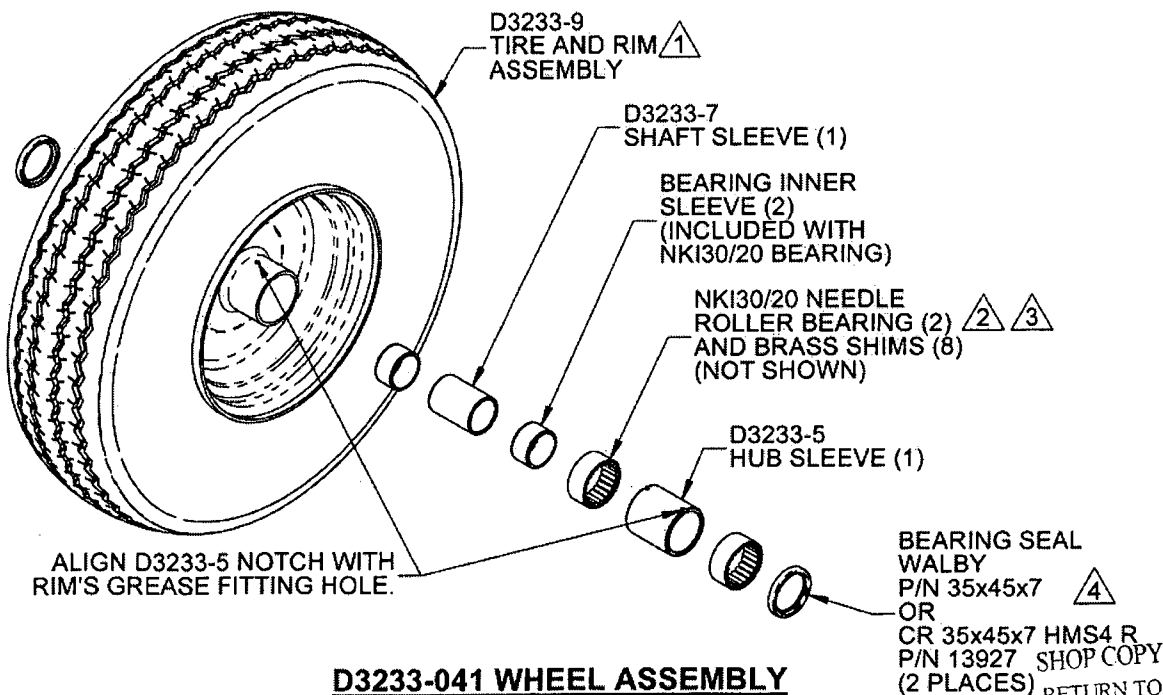
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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. <b>D3233</b>	REV. B SHEET 1 OF 3
DATE <b>05.03.08</b>		TITLE <b>WHEEL ASSEMBLY</b>	SCALE 1:1
A	05.02.18	NEW ISSUE	
B	05.03.08	ADDED BEARING SEALS	



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*[Signature]*  
05/05/04

WHEEL SPECIFICATIONS		
SIZE	MAXIMUM LOAD	MAXIMUM INFLATION LOAD
TIRE: 19.0 x 5.8 RIM: 5.70 x 8.0	910 LBS (RANGE C)	90 PSI*

\* MANUFACTURER'S RECOMMENDATIONS  
ARE 75 PSI FOR HIGH SPEED USE.



### D3233-041 WHEEL ASSEMBLY

#### NOTES:

- 1) POSSIBLE SUPPLIER: McMASTER-CARR, P/N 8353T74
- 2) POSSIBLE SUPPLIER: GENERAL BEARING
- 3) PRESS FIT NEEDLE ROLLER BEARINGS INTO RIM HUB WITH (4) 0.5 X 0.75 X 0.004 BRASS SHIMS PER BEARING, (1) AT EACH QUADRANT.
- 4) POSSIBLE SUPPLIER: GENERAL BEARING
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

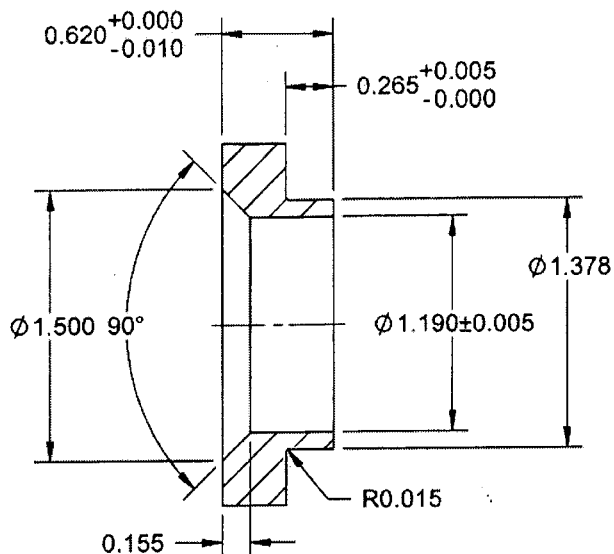
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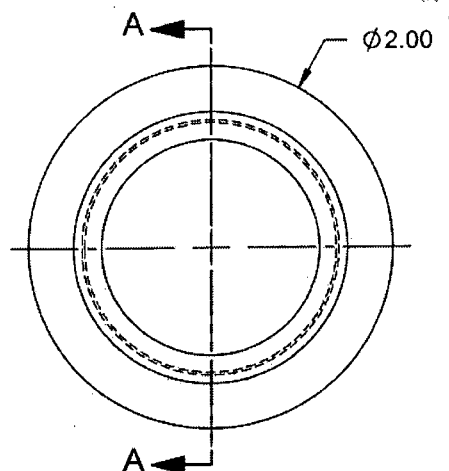


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DATE <b>05.03.08</b>		TITLE <b>WHEEL ASSEMBLY</b>	SCALE 1:1

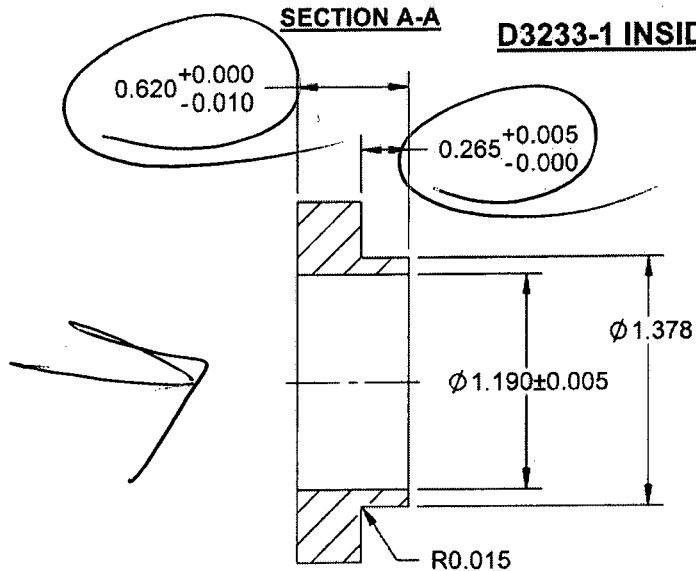


**SECTION A-A**

**D3233-1 INSIDE WASHER**

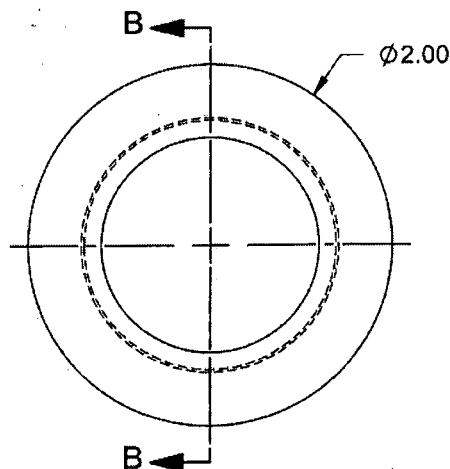


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05/05/04



**SECTION B-B**

**D3233-3 OUTSIDE WASHER**



**NOTES:**

- 1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 SRA OR AMS 5075 OR AMS 5077, COLD DRAWN, SEAMLESS (REF. DART SPEC. M1020TR)
- 2) FINISH: POWDER COAT FIRE RED (REF. 4.3.5.10) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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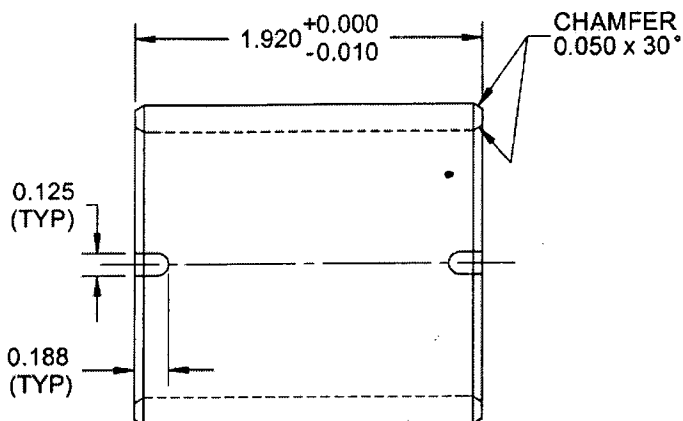
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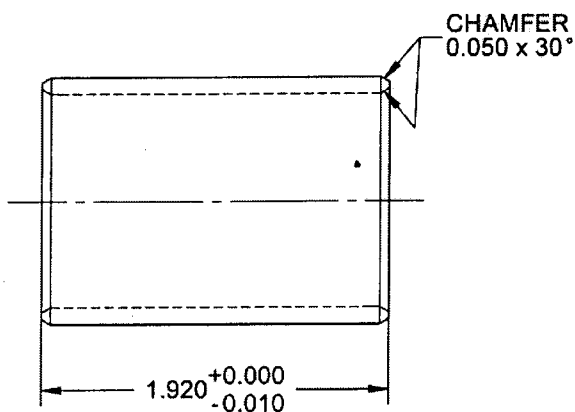
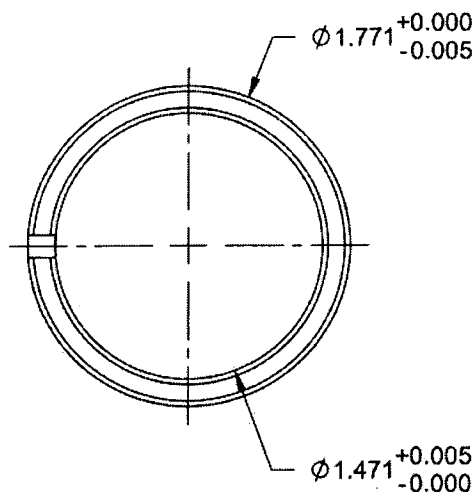


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DATE 05.03.08		TITLE WHEEL ASSEMBLY	SCALE 1:1

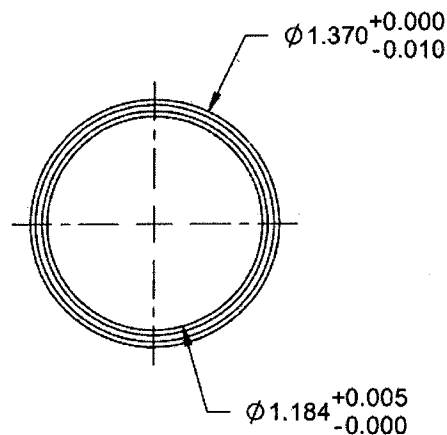
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**D3233-5 HUB SLEEVE**



**D3233-7 SHAFT SLEEVE**



**NOTES:**

- 1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 ENGINEERING MT1020 SRA OR AMS 5075 OR AMS 5077, COLD DRAWN, SEAMLESS (REF. DART SPEC. M1020TR)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.010 TO 0.030

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